

COUNTRY : RUMANIA  
CATEGORY : Chemical Technology. Chemical Products and Their Application. Pharmaceuticals. Vitamins. Antibio-<sup>H</sup>  
ABS. JOUR. : RMnKhim., No 17, 1959, No. 61817

AUTHOR : Stanciu, N.; Iashasescu, C.; Oppescu, N.  
INSTITUTE : -  
TITLE : Pharmaceutical Non-Compatibility of Certain Binary Systems.  
ORIG. PUB. : Farmacia (Roman.), 1958, 6, No 3, 237-250

ABSTRACT : Presented are studies that clarify a number of literature data pertaining to the non-compatibility of certain medicinal substances. Ratios of concentrations at which these substances form soft or liquid mixtures due to the formation of eutectics with low melting points are established. More than 100 binary systems were analysed of which many, considered in literature as non-compatible, in actuality were not found as such.

\*tics.

Card: 1/1

H - 67

L 48240-65 FSS-2/EEC-4/EEC(t) Pn-4/Pp-4/Pac-4

29

ACCESSION NR: AP5014063

RU/0005/64/008/005/0209/0216

B

AUTHOR: Oprescu, Niculae (Engineer); Rosu, Jean (Engineer); Mateescu, George (Engineer)

TITLE: Current problems of broadcasting. Meeting of the first study group of the OIRT

SOURCE: Telecommunicatii, v. 8, no. 5, 1965, 209-216

TOPIC TAGS: wire communication, communication equipment, communication conference

ABSTRACT: (Author's English summary modified): A report on the current problems of wire broadcasting as discussed at the first study group of OIRT, and a review of the most recent equipment and maintenance procedures in the field. The meeting was attended by representatives of Bulgaria, Czechoslovakia, East Germany, Mongolia, Poland, the USSR and Rumania, and took place in Bucharest in March 1964. Orig. art. has 8 figures and 2 tables.

ASSOCIATION: none

SUBMITTED: 00

ENCL: 00

SUB CODE: EC

NO REF Sov: 000

OTHER: 003

JPRS

Card 1/1

OPRESCU, Nicolae  
SURNAME, Given Names

Country: Rumania

Academic Degrees: -Prof Ing-

Affiliation: Institute for Constructions (Institutul de Constructii), Bucharest.

(2)

Source: Bucharest, Revista de Geodezie si Organizarea Teritoriului, Vol V,  
No 4, 1961, pp 65-73.  
Data: "The 22nd Course in Zeiss Photogrammetry which Took Place in June 1961  
at Budapest."

OPRESCU, N., prof.ing.

International colloquium of photogrammetry in Dresden, 1963.  
Rev geodezie 8 no.1:61-62 '64

OPRESCU, Stelian; LORENTZ, Tiberiu; POPESCU, Olga

Studies on some osteologic indexes of birds in reciprocal  
and direct breedings. Studii cerc biol s. zool 16 no. 1:  
11-25 '64.

1. Laboratory of Animal Genetics, "Traian Savulescu" Institute  
of Biology.

REF ID: A6425

Studies on the following material indicate that the species represented in the infestation are different from those of the material. Detailed description, page 16 number 3.

• Laboratory of Animal Genetics of the Indian Institute of Science.

COUNTRY : U.S.S.R.  
CATEGORY : Farm situation.  
THE SWINE.  
ABS. JOUR. : RZMBiol., No. 3, 1959, No. 14075

GRD. PUBL. : Nauk. Dokl. Tomsk. Univ., 1959, No. 14075  
ABSTRACT : The article discusses the results of experiments on the effect of various factors on the growth and development of pigs. It includes a section on the relationship between the number of piglets born and the weight of the sow.

TEODORYANU, N. [Teodoreanu, N.]; BURLAKU, G. [Burlacu, G.];  
OPRESCU, St. [Oprescu, St.]

The embryonic and postembryonic metabolism in the Rhode Island and Leghorn chicks and crossbreeds in connection with the heterosis phenomenon. Rev biol 6 no.4:449-466 '61.

1. Chlen-korr. Akademii RMR (for Teodoreanu).

PUSCARU, D.; PETRESCU, C.; OPRESCU, St.; STAVRI, J.; PETRACHE, M.;  
NENOVICI, C.; TANASE, L.

Research on the nutritive value and structure of winter rations  
of milch cows on the Pestera, Harman, and Risanov state farms.  
Studii cerc biol anim 13 no.1:111-132 '61. (EEAI 10:7)  
(ROMANIA--COWS) ↗

PUSCARU, D.; OPRESCU, St.; DINU, I.

Dynamics of the growth of the young calves of various breeds, from the birth up to two years of age. Studii cerc biol anim 13 no.4: 549-568 '61.

1. Comunicare prezentata de N. Teodoreanu, membru corespondent al Academiei R.P.R.

OPRESCU, St.; POPA, L.

Relations between the type of hemoglobin and certain productivity indexes in some sheep populations of Rumania. Comunicarile AR 12 no.1: 79-82 Ja '62

1. Comunicare prezentata de N. Teodorescu, membru corespondent al Academiei R.P.R.

PUSCARU, D.; VERMESANU, N.; CPRESCU, St.; DINU, I.; CIOCOIU, A.; TANASE, L.

Influence of colostrum on the development of young cattle.  
Studii cerc biol anim 14 no.1:47-55 '62.

1. Comunicare prezentata de N. Teodoreanu, membru corespondent al Academiei R.F.R., si membru al Comitetului de redactie, "Studii si cercetari de biologie; Seria biologie animala."

OPRESCU, Stelian; LORINTZ, Tiberiu

Observations on the gravimetric indexes of some organs and tissues  
in the process of bird interbreeding. Studii cerc biol anim 15 no.1:  
19-28 '63.

ROMANIA

OPRESCU, Stelian, Chief Researcher (Cercetor Principal), Bucharest [affiliation not given]

"Soviet Research and Work Methods in the Field of Genetics and Animal Radiogenetics."

Bucharest, Natura. Seria Biologie, Vol 15, No 5, Sep-Oct 63, pp 27-36.

Abstract: A succinct review of some of the major aspects and achievements of Soviet investigators in the field of animal genetics and radiogenetics. Emphasis is on the work currently in progress at the Institute of Genetics of the USSR Academy of Sciences and the biophysics Institute of the Academy. Mentions experiments on periodic (recurrent) reciprocal selection, some experiments on the artificial breeding of poultry, the cross-breeding of cattle, and the effect of ionizing radiation on the prolificacy of mammals.

Includes 4 figures and 14 Russian references.

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NICULESCU, Ion T.; GAHGI-PARSCHIV, A.; ONICESCU, Doina; RAILEANU, Iona;  
GIUGARIU, D.; MEDIU, St.; OPRISCU-LISSIONVICI, Elena; TRIFU, P.

Contribution to the study of nerve endings in the pancreas. Romanian  
M. Rev. 1 no.2:5-10 Apr-June 57.

(PANCREAS, innervation  
anat. of nerve endings)

CERNIGOJ, B.; SELJAK, Z.; NOVAK, P.; PUST, J.; MUREN, H.; OPRESNIK, M.;  
KUHELJ, A.; HLEBANJA, J.; KRUSIC, B.; POVSE, R.; KRAUT, B.;  
PROSENC, V.; PRELOG, E.

Book reviews. Stroj vest 10 no.6:176-182 D '64.

OPREŠNIK, Miran, mech. eng., lecturer

New ideas concerning the studies of mechanical engineering. Stroj  
vest 7 no.1:7-9 Ja '61. (EEAI 10:9)

1. Faculty for Mechanical Engineering, University of Ljubljana.

(Mechanical engineering)

S/262/62(000/010 00) 024  
1007/1207

AUTHOR: Oprev, M.

TITLE: Experimental research on the cascade of active turbine-blades at subsonic speeds

PERIODICAL: Referativnyy zhurnal, otdel'nyy vypusk 42 Silovyye ustavovki, no 10, 1962, 28, abstract 42 10 134 "Godishnik Mash - elektrotekhn in-t", v. 6, no 4, 1959 (1960) 55-65 [Abstracter's note: original language Bulgarian]

TEXT: Methods and results of experimental research on a test stand are described

[Abstracter's note: Complete translation ]

Card 1/1

OPREV, M.

Profiling the spray nozzle apparatus for supersonic speeds.  
Godishnik mash elekt 10 no.3:75-83 '61 (publ.'62).

OPREV, M.; UZUNOV, D.

Static pressure in the mixing chamber of steam-jet ejectors.  
Godishnik mash elekt 10 no.3:85-92 '61 (publ.'62).

L 18779-63 EPF(n)-2/EWP(q)/BDS/T-2/ES(s)-2/ES(w)-2 AFTTC/ASD/ESD-3/SSD  
Pu-4/Pt-4/Pab-4 WH/JD  
ACCESSION NR: AT3002463 R/2501/63/008/001/0101/0109

AUTHOR: Balte, P.; Opria, F.

79

TITLE: Semiconductor properties of sintered masses of the ZnO-TiO<sub>2</sub> sub 2 system  
(Translation from Rumanian into Russian; originally presented at the 6th Scientific Session of the Teacher Staff of the Bucurest Polytechnical Institute, Oct., 1960, and published in the journal "Studii si cercetari de metalurgie, " Acad. R.P.R., 1962, 7.4.

SOURCE: Academia Republicii Populare Romine. Revue Roumaine de metallurgie. v. 8, no. 1, 1963, 101-109

TOPIC TAGS: electrical resistivity, electrical conductivity, transport phenomena, activation energy, thermoelectromotive force, ceramics, sintered semiconductors, sintered ceramics, thermoelectricity

ABSTRACT: Semiconductive and ceramic properties of sintered masses of the ZnO-TiO<sub>2</sub> system were studied. Relative to other systems containing TiO<sub>2</sub>, little has been done with this system, especially as regards its semiconductive

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ACCESSION NR: AT3002463

properties. The resistivity, activation energy and thermal E.M.F. as well as the thermal contraction and density were measured as functions of the composition, and the resulting curves were interpreted in terms of thermodynamic equilibrium arguments. These interpretations were aided by the equilibrium phase diagram of the ZnO-TiO<sub>2</sub> system of Dulin and Rase (J. of the Amer. Ceram. Soc., March 1960, 125-131). These correlations also permitted a determination of the influence of chemical species which emerge in the sintered system. Samples which contain less than 30% TiO<sub>2</sub> behave as semiconductors, while those containing more than 30% TiO<sub>2</sub> behave as insulators. Thus, depending on relative proportions of constituents, this system may be used for semiconductor devices or for dielectrics. Orig. art. has 8 graphs and 1 table.

ASSOCIATION: none

SUBMITTED: 00

DATE ACQ: 17Jun63

ENCL: 00

SUB CODE: EL, PH

NO REF Sov: 004

OTHER: 010

Cord 2/2

L 1209-66 EMA(h)

ACCESSION NR: AF5025832

RU/0005/65/000/005/0166/0168

29

AUTHOR: Owica, Dan (Engineer)

TITLE: Direct-reading Z-meter for microwaves

SOURCE: Telecommunications, no. 5, 1965, 166-168

TOPIC TAGS: microwave, microwave component, electronic test equipment, electronic measurement

ABSTRACT: A description of a measuring instrument for the 3-centimeter band which allows a direct reading of the figurative point corresponding to the input impedance of a microwave device. Design, components, operation and accuracy of the meter are discussed. Orig. art. has: 2 figures and 9 formulas.

ASSOCIATION: none

SUMMITTED: 00

ENCL: 00

SUB-CODE: EC

MR REF Sov: 001

OTHER: 004

JPRS

Card 1/1  
mlb

OPRIJAN, Milenko, Dr.

Characteristica of the homicide. Voj. san. pregl., Beogr.  
12 no.11-12:587-594 Nov-Dec 55.

1. Institut za sudsku medicinu Medicinskog fakulteta u Beogradu.  
(CRIME, statist.  
homicide in Yugosl. (Ser))

NESKOVIC, Blagoje; DJORDJEVIC, Rusomir; OPRIJAN, Milenko; VASILIC, Momcilo;  
JOKANOVIC, Dobrivoje

Personal results in determination of blood stains and in obtaining  
serum precipitate. Srpski arh. celok. lek. 85 no.4: 397-410 Apr 57.

1. Institut za sudsku medicinu Medicinskog fakulteta u Beogradu.  
Upravnik: prof. dr. Julijana Bogicevic.

(BLOOD

blood stains, determ. technics (Ser))

SECRET

AMERICAN UNIVERSITY, DEPARTMENT OF FORESTRY, 1990  
RESEARCH REPORT ON SOUTHERN FOREST LAND USE IN  
THE SOUTHERN GREAT LAKES AND MICHIGAN, UNIVERSITY OF ILLINOIS.

APPENDIX A: USES OF FORESTS: CONSIDERATION OF TREATMENT

APPENDIX B: USES OF FORESTS: FOREST MANAGEMENT

APPENDIX C: USES OF FORESTS: LIFE CYCLE ASSESSMENT OF FORESTS  
AND FOREST MANAGEMENT ACTIVITIES OF PERSONS FOLLOWING CHRISTIAN  
FAITH. (For illustrative purposes, therefore the following  
is presented in simplified form of narrative, and does not  
represent existing values. Please note that  
information included is general data of all users.)

OPRIJAN, Milenko, prof. dr.; PEJAKOVIC, Samuil, doc. dr.

Principles for the classification of injuries. Med. glas. 19  
no.485-87 Ap-My ' 65.

1. Institut za sudsku medicinu Medicinskog fakulteta u Beogradu  
(Upravnik: prof. dr. J. Bogicevic).

RUMANIA/Soil Science. Mineral Fertilizers.

I-5

Abs Jour: Referat Zh-Biol., No 6, 25 March, 1957, 22504

Author : Samoile, Oprin, Chernelya

Inst :

Title : The Effectiveness of Mineral and Organic Fertilizers on Pastures of the Retezat Mountain Range.

Orig Pub: Probl. zootehn. si veterin., 1956, No 3, 37-52.

Abstract: A number of experiments were conducted by Mount Timishoara Agricultural Institute seeking methods to increase pasture productivity on typical locations with acid podzol soils where Festuca rubra predominates. The activity of N, P, K, lime and manure in different combinations was tested in spring and fall administration and types of pasture utilization. The largest crops of green mass were obtained when cattle were kept herded. In large areas, it is recommended that 300 kg superphosphate, 120 kg potassium salt per hectare be added once

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RUMANIA/Soil Science. Mineral Fertilizers.

I-5

Abs Jour: Referat Zh-Biol., No 6, 25 March, 1957. 22504

every 3-4 years, and a nitrogen fertilizer once a year or every 2 years. Also once every 4-5 years, 1 ton/hectare of lime should be administered. With such a system of fertilization, the crop increases more than 6 times. Its protein content is increased by 34-53%.

Card : 2/2

-17-

OPRIN, C

AGRICULTURE

Periodical: STUDII SI CERCETARI STIINTIFICE. SERIA STIINTE AGRICOLE  
Vol. 4 no. 1/2, Jan./June 1957

OPRIN, C. Geobotanic study of the natural meadows in the Districts of Timisoara, Jimbolia, and Sinnicolau Mare (Region Timisoara) and their state of productivity. p. 69

Monthly List of East European Accessions (EEAI), LC, Vol. 8, No.3,  
March 1959, Unclass.

O PRIS , Al.

*Mazlo*

✓ Study of cutaneous alterations in connection with the cancerous and irritating action of hydrocarbons used in impregnation of wood. C. Tataru, Al. Opris, and Al. Marinacu. *Comun. Acad. rep. populare Române*, 1783-7 (1935).—Cases are described in which workers in a wood-impregnation factory developed photosensitivity and spinous cellular epitheliomas (1). Mainly those workers coming into direct contact with the hydrocarbons used for impregnation were affected. The vapors attack especially the uncovered skin with the development of acne and follicular hyperkeratosis. In several cases I was observed.

Emanuel Merdinger

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OPRIŞ AL

EXCERPTA MEDICA Sec.13 Vol.12/5 Dermatology, etc. May 58

3091. BISMUTH POLYNEURITIS OCCURRING AS ACCIDENT DURING MASS  
SYPHILITIC TREATMENT - Polinevritele bismutice ca accident la  
tratamentul antisifitic - Opris A.I., Precup C. and Székely L.  
Cin. Dermato-Venereol. I.M.F., CTUJ - DERM. VENEREOL. (Bucureşti)  
1957, 1/2 (167-169)

Three cases of polyneuritis were observed lately in 3 women with latent seropositive syphilis and intolerance to arsenical medications. All these patients presented typical subjective and objective clinical symptoms of polyneuritis. Bismuth may constitute an aetiological factor of polyneuritis even during normal series of administration, its action being explained by a toxicoo-allergic mechanism. Transient cases of bismuth polyneuritis were published in the literature.

EXCERPTA MEDICA Sec.13 Vol.12/5 Dermatology,etc. May 58

CPR 1. A  
955. ROSACEIFORM TUBERCULIDS (LEWANDOWSKY). CONSIDERATION OF CONNECTION WITH TUBERCULIDS LOCALIZED IN THE FACE - LEVY & LEBEDEV ROZACEIFORME (LEWANDOWSKY). Consideration in regard to the connection between facial rosacea and tuberculids. In: Acta Dermato-venereologica (Lund) 37: 1957, 2/4 (324-333) Illus. 6

In the introductory part of this paper, a review is made of the clinical and histological characteristic features of haematoogenous tb with a prevaringly facial localization and both the similarities and the differences are stated. The authors describe the class of rosaceiform tuberculids and they mention that according to more recent conceptions they are supposed to represent the most frequent form of micronodular (miliary) bacillary dissemination in the face. In an attempt to make a synthesis of the various forms of these diseases, the presence of transition forms makes it possible to maintain that there is an almost continuous transition from disseminations resulting in submiliary lesions (rosaceiform tuberculids), towards miliary or somewhat larger lesions (miliary lupus) and further on to papulonecrotic tuberculids. The fact which probably determines the clinical picture (size, number, and characteristic features of the lesions) is in the first place the number of micro-organisms dispersed, depending on the activity of the primary focus. They also determine the size of central necrosis, the possibility for culturing the tuberculous bacilli from the lesions, the degree of allergy and the very size of the lesions classified as 'microbuds'. The primary focus itself is more active, more obvious in papulonecrotic tuberculids, and almost imperceptible in cases of miliary lupus and rosaceiform tuberculids. The therapeutic results following anti-tuberculous treatment with antibiotic and chemotherapeutic drugs which are considered to be specific may, in the case of rosaceiform tuberculids, represent a criterium for their tuberculous aetiology.

(XIII, 5)

EXCERPTA MEDICA Sec 6 Vol 13/11 Internal Med. Nov 59

6564. PORPHYRIA CUTANEA TARDIA OF THE SKIN (PORPHYRIA OF THE SKIN IN THE ADULT, BOLGERT) - Porfiria cutanata tardiva. (Porfiria cutanata a adultului-Bolgert) - Opris A., Căpugan I., Veress F., Gherman G. and Papilian V. V. (J. Dermato-Venerol., Cluj - DERM. VENER. (Bucuresti) 1958, 3/3 (19, 1-3) Illus. 7

After an introductory discussion of porphyropathy due to photosensitization, a report is given of 11 cases in men over 40 yr. of age, observed within a period of 2 yr. Most patients performed hard work and almost all were addicted to alcohol; all cases set in during summer and uroporphyrin as well as alterations of the liver were constantly present. Mention is made of the difficulty pertaining to differential diagnosis, particularly as regards bullous epidermolysis. The most efficient treatments are those dealing with the hepatic lesions. Creating a protective layer against light rays is the most effective local treatment.

TIRIEA, T.; OPRIS, F.; VASILESCU, E.; ZALMAN, M.; LEVIN, S.; GHERMAN, D.; REICHART, S.; ELIAS, A.; MOISE, O.

Clinical, bacteriological, and epidemiological study of staphylococcal infection cases in the Timisoara Pediatric Clinic during 1957-1959.  
Microbiologia (Bucur) 6 no.1:29 Ja-F '61.

OPRIS, Gh., ing.

Present stage of development of the equipment for pumped storage hydroelectric plants. Inergetica Rum 11 no.11:545-553 N '63.

OPRIS, Gh.

On the convergence of improper integrals. Bul. stiint. polit. Cluj  
6:49-53 '63.

in  
Cultivated Plants. Fodder Grasses and Roots.

Author: Ionita, M.; Ursu, I. Date: 19346

Institution: Timisoara Agronomy Inst.  
Title: The Effect of Combined Application of Mineral Fertilizers on the Hay Components of Four Species of Perennial Cultivated Grain Grasses.  
Source: Anuarul lucrar. stiint. Inst. agric. Timisoara, Bucuresti, 1957, 73-82

Abstract: To determine the factors which affect the quantitative correlation between the component parts of hay (leaves, stems and blossoms) experiments were made in the following variants: NPK, NP, NK, and PK. Crested wheatgrass, tall oatgrass, dewgrass and meadow fescue were sown. The application of the fertilizers increased the amount of stem in dewgrass by 10-31%, and in wheatgrass by 3-6%, while this was reduced in the instance of oatgrass and

1/2

OPREA, C. V., prof.; MURESANU, P. L.; DRAGAN, I.; CRISAN, I.; OPRIS, L.;  
MIHOC, Ema; BALAN, S.; BAUMSTARK, I.; PETRESCU, C.; VILCEANU, Nicoleta

Studies on the soils of the western part of our country. Studii agr  
Timisoara 8 no.3/4:163-169 J1-D '61.

1. Membru al Comitetului de redactie si redactor responsabil adjunct,  
"Studii si cercetari, Biologie si stiinte agricole" (for Oprea).

SIMTE, V.; BINTI, I.; MATEIANU, M.

Studies of the relations between briquetting pressure and the granulation of coal in the 'uni-briettin' process (1). Mining matter. P. 171.

REVISTA MINIERE. (Ministerul Minerelor, Ministerul Industriei Extractive si Chimiei, Directie Explotarilor Minerale si Asociatia Stiintifica a Inginerilor si Tehnicienilor din Romania' Bucuresti), Romania. Vol. 17, nr. 1, An. 1975.

Monthly List of East European Accessories (LEAT) LC. Vol. 1, no. 1, Inst. 1975.

Incl.

RUM/3-59-10-14/16

15(8)

AUTHORS: Lupu, Alex. and Opris, M.

TITLE: Polyesters With Pyridine Nucleus in the Macromolecular Catena

PERIODICAL: Revista de Chimie, 1959, Vol 10, Nr 10, pp 607-609

ABSTRACT: The production of polyester fibers based on terephthalate polyethylene is rapidly increasing due to the remarkable properties of this type of synthetic fiber in spite of the fact that these fibers also have many disadvantages. Pertinent literature refers to only one patent with polyesters of heterocyclic pyridine and this does not indicate the synthesis and properties of the polymers obtained. The results obtained by experiments showed that the presence of the pyridine nucleus in the macromolecular polyesters reduced their crystallinity, a fact emphasized by the decrease of their melting temperature. ✓  
Table 7 indicates data on the solubility of the

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RUM/3-59-10-14/16

Polyesters With Pyridine Nucleus in the Macromolecular Catena

phthalic pyridine polyesters and their copolyesters. The analysis of these data shows that the presence of the pyridine nucleus within the polyester macromolecule, has a direct effect on the increase in the number of solvents in which the respective polymers are soluble. For various reasons a number of polyesters cannot be used such as para-pyridine 2,5 and all copolyesters of para-pyridine. Terephthalic copolyesters with 5 - 10 % meta-pyridine nuclei in the macromolecule can be spun. They have a melting temperature of 220 - 230°C and a whitish color. Cold-stretched fibers were obtained from these polymers. Synthetic fibers based on polyethylene terephthalate might possibly be utilizable after a total or partial elimination of their disadvantages due to the fact that the crystallinity of these copolyesters is a little less and the basic nitrogen is present in the pyridine nucleus of the macromolecule. These

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RUM/3-59-10-14/16

Polyesters With Pyridine Nucleus in the Macromolecular Catena

possibilities are presently being tested and  
will be subsequently described.  
There are 7 tables.

Card 3/3

OPRIS, M.

## PLATE I BOOK EXPLOITATION 107/1994

International symposium on macromolecular chemistry. Moscow, 1960.

Mosandunaromy77 simposium po makromolekularnym khnim SSSR, No. 26, 1-18 iyunya 1960 g.; doklad 1 svetorezerv. Sessiya III. International Symposium on Macromolecular Chemistry Held in Moscow, June 1-18, 1960. Papers and Summaries. Section III. [Moscow, Izd-vo AN SSSR, 1960]. 469 p., 55,000 copies printed.

Tech. Ed.: P. S. Kashina.  
Sponsoring Agency: The International Union of Pure and Applied Chemistry. Commission on Macromolecular Chemistry.

PURPOSE: This book is intended for chemists interested in polymerization reactions and the synthesis of high molecular compounds.

COVERAGE: This is Section III of a multi-volume work containing papers on macromolecular chemistry. The articles in general deal with the kinetics of polymerization reactions, the synthesis of special-purpose polymers, e.g., ion exchange resins, semiconductor materials, etc., methods of catalyzing polymerization reactions, properties and chemical interactions of high molecular materials, and the effects of various factors on polymerization and the degradation of high molecular compounds. No personalities are mentioned. References given follow the articles.

- |   |    |
|---|----|
| Rabek, Z. I., and J. Kaczkowski. (Poland). Chlorination of Phenol-Formaldehyde Resins 27  |    |
| Aleksandrov, L. N., M. S. Opiris, and A. Giosanil (Romania). Cyanocetyl and Methacryloyl Ethers of Polyvinyl Alcohol 34   |    |
| Fedorovich, A. Ya., G. Ya. Gordon, L. I. Malozemoff, K. M. Olshtern, K. I. Tsvetkov, and N. V. Kokorina. (USSR). Study of the Chemical Conversions of Polycarbonates 44   |    |
| Borsigian, B. A., R. S. Peled, and M. M. Salavayaya. (USSR). Chemical Interaction and Mechanism of the Activating Action of Double Systems of Vulcanization 65  |    |
| Plešnář, J., A. F. Vorob'ev, G. A. Shirkov, and M. P. Dvornikova. (USSR). Esters of Sulfuric Acid and Polyvinyl Alcohol 73  |    |
| Volnáček, Z., J. Hally, and G. Muñoz. (Hungary). The Interaction of Aromatic Amines and Polyvinyl Chloride 79   |    |
| Gordienko, N. A., B. E. Davydov, B. A. Kremenshchuk, I. M. Kubashevich, L. S. Polak, A. V. Topchiyev, and R. M. Vorotnikov. (USSR). The Production of Polymeric Materials Which Exhibit Semiconductor Properties 85 |    |
| Mikszági, A., and L. J. Kovács. (Hungary). Chemical Properties of Bipolar Ion-Exchange Resins 93  |    |
| Nádas, E., and J. Morewicz (Poland). Effect of the Structure of Organic Amino Compounds on the Properties of Anion Exchange Resins From Polystyrene 102   |    |
| Saldadze, I. M. (USSR). The Problem of the Effect of the Structure of Ions on Ion-Exchange Processes Between Ions and Electrolyte Solutions 107   |    |
| Berlin, A. A., B. I. Lukon'kij, and V. P. Parikh. (USSR). Production and Properties of Some Aromatic Polymers 115   |    |
| Trofimanskaya, Ye. V., I. P. Losov, A. S. Tsvetkov, S. B. Shkarai, G. Z. Nedora, and Iu. Hien-Liu. (USSR). Chemical Conversions of Insoluble Copolymers of Styrene 124  |    |
| Lindquist, J. (Poland). Thermal Stability of Styroxy Basic Ion Exchange Resins 146  | 40 |

R/003/62/013/005/001/001  
D272/D308

AUTHORS: Alexandru, L., and Opris, M.

TITLE: Synthesis of polyvinyl alcohol. VII. The influence of the polymerization medium of vinyl acetate

PERIODICAL: Revista de Chimie, Bucuresti, no. 5, 1962,  
279-281

TEXT: The influence was studied of various media used in the polymerization of vinyl acetate--aliphatic and aromatic hydrocarbons, alcohols, polyalcohols, ketones, and esters--upon the polyvinyl alcohol obtained by hydrolysis of the resulting polyvinyl acetate. The polymerization was carried out under constant conditions, with vinyl acetate solvent ratio of 1:1, at 60°C, using 0.5% azodiisobutyronitrile as the initiator. It was found that the presence of alcoholic groups strongly reduced the degree

Card 1/2

BOICU, N.; OPRIS, O.

A calculation method of elastic deformation of symmetrically  
axial stressed tubes, with application to the cylinder  
calculation of a manometer with piston and weights. Metrologia  
apl 11 no. 1: 12-19 Ja '64.

OPRIS, O.

Technological considerations on pressure standards. Metrologia  
apl 11 no.3:111-114 Mr'64.

OPRIS, O., ing.

Considerations on the geometry of technical surfaces.  
Metrologia apl 11 no. 6:245-248 Je '64.

OPRIS, O., ing.

Elements for the assessment of metal surface processing.  
Metrologia apl 11 no. 10:43-445 0 '64.

OPRII, C., Ing.

Influence of technological factors on the operation of  
stratums. Metallurgical plant No. 1, Kuzbass, Russia

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CIA S-1

RUMANIA/Chemical Technology. Chemical Products and Their Application. Ceramics. Glass. Binders. Concrete.

H-13

Abs Jour: Referat Zhur-Khimika, No 5, 1958, 15335

Author : Opris S.

Inst :

Title : Installation for Homogenizing of Slurry in Slurry Adjustment Tanks.

Orig Pub: Ind. constructiilor si mater. const., 1957, No 6, 354-356.

Abstract: No abstract.

Card : 1/1

OPRIS, S.

Amortisation of basic funds and improvement of the capital repair system. Probleme econ 16 no.3:101-113 Mr '63.

OPRIS, S., ing.

Wearing out of ball mill screenings. Rev constr si mat constr  
15 no.8:420-425 Ag'63.

OPRIS, S., ing.

Efficient coatings for lining ball mills. Rev constr si mat  
constr 15 no. 11: 596-604 N '63.

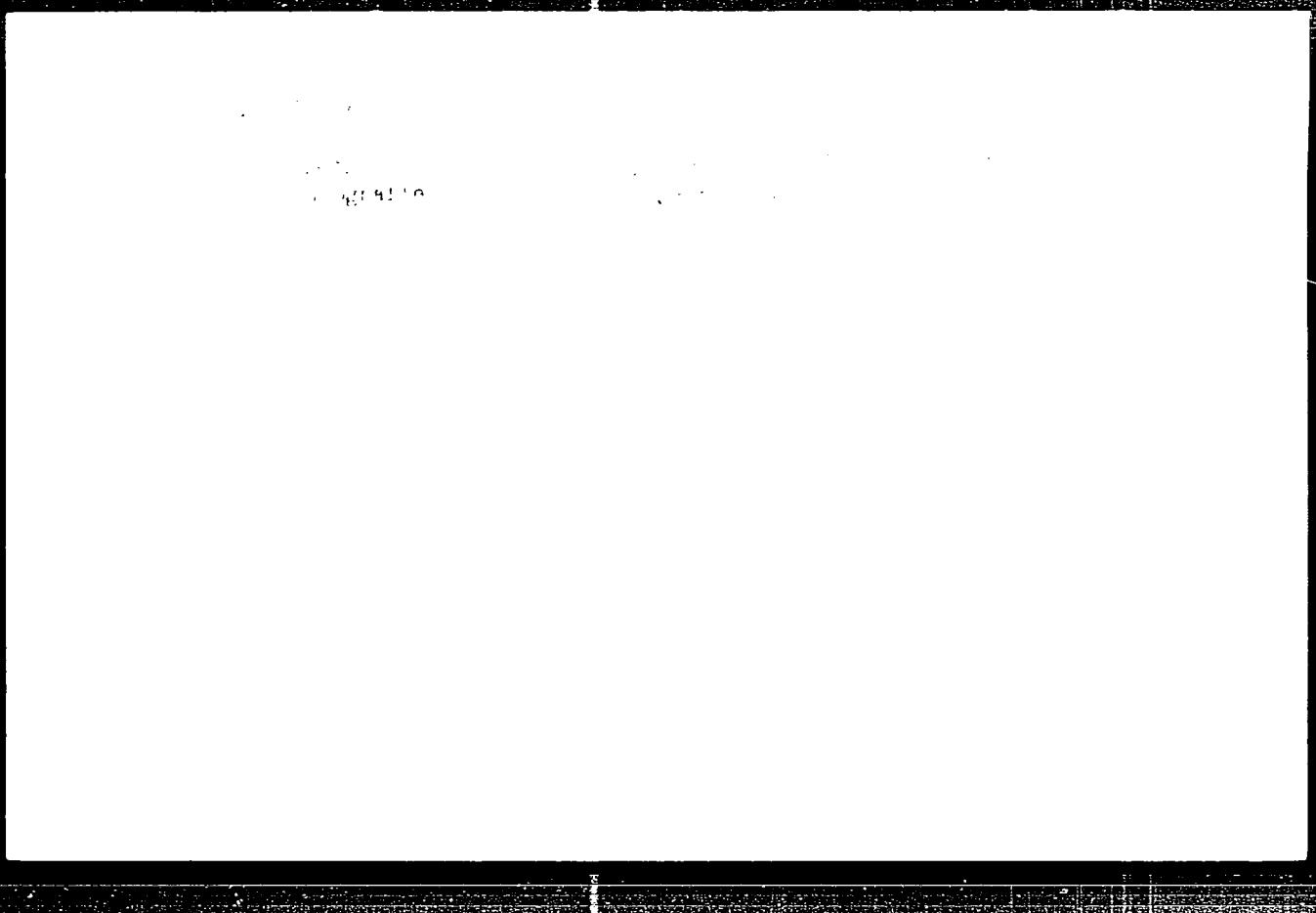
OPRIS, S., ing.

Quarrying system by extensive explosions on tall fronts in limestone pits. Rev constr si mat constr 16 no. 6,289-295 Je '64.

OPRIS, Tudor (Bucuresti)

Endemic plants of Rumania and some problems of Darwinism. Natura Biologie 15 no.1:19-29 Ja-F '63.

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CE. 1 , 1988; ref. (Bucuresti)

Toxicoregulating role of metals. Natura Biologica . . .  
J. P. S.C. 1988.

Next page of the same information. Ibid.:92-3

OPRISA, N., ing.; MARCOWSKI, St., ing.

Achievements of the Banatul Mining Trust Anina.  
Rev min 13 no.8:374 Ag '62.

POP, A.; CONSTANTINESCU, N.; HEYTMANEK, Constanta; ELLAN, Inge; OPRISAN, Alice

Prospects in the early laboratory diagnosis of renal tuberculosis by  
the anti-kidney antibody test (pathogenic basis of the method).  
Rumanian med. rev. no.8:25-29 '62.

(TUBERCULOSIS, RENAL) (AUTOANTIBODIES)

POP, A., dr.; CONSTANTINESCU, N., dr.; HEYMANEK, Constanta, dr.;  
ELIAN, Inge, dr.; CIRISAN, Alice, dr.

Prospects in the early laboratory diagnosis of renal tuberculosis  
by the antirenal antibody test (pathogenic base of the method).  
Microbiologia (Bucur) 6 no. 1:53-62 Ja-F '62.

1. Institutul "Dr. I. Cantacuzino" si Spitalul de tuberculoza  
"Pantelimon".

POP, Al.; TAGA, M.; OPRISAN, Alis; DEMETRESCO, R.

Anti-organ iso sensitization as a renal localizing factor in experimental tuberculosis in guinea pigs. Arch. Roum. path. exp. microbiol. 22 no.1:29-40 Mr '63.

(TUBERCULOSIS, RENAL) (TUBERCULOSIS)  
(KIDNEY) (TISSUE EXTRACTS)  
(FREUND'S ADJUVANT) (ANTIGEN-ANTIBODY REACTIONS)

POP, Al. HEYTMANEK, Constanta; POTORACHE, OPRISAN, R.; OPRISAN, A.; STANICA Stanica; STOIAN, St. I.; TURZA, V.

Anti-liver serum antibodies appearing during antiplastic hyperimmunization with liver in experimental ratbills and horses producing therapeutic serum. Arch. Immun. path. exp. microbiol. 23 no. 21-24 S1.

1. Institut "Dr. I. Cantacuzino", Serviciu Veterinar, Bucarest (for Pop, Heytmanek, Petera, Oprisan R., Oprisan, A.) 2.
- Institut "Dr. I. Cantacuzino"; Serviciu de la Diphtherie, Bucarest (for Stanica, Stoian). 3. Facultatea de Medicina Veterinara de Bucarest (for. Ciurea).

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Oprisan Em.

RUMANIA/Chemical Technology, Chemical Products and Their  
Application, Part 1. - General Topics.

H-1

Abs Jour: Referat. Zhurnal Khimiya, No 10, 1958, 32663.

Author : Em. Oprisan.

Inst : Not given.

Title : Ways to Decrease Production Costs in Chemical Industry of  
People's Republic of Rumania.

Orig Pub: Probl. econ. (Romin.), 1957, 10, No 9, 51-65, 153-154.

Abstract: No abstract.

Card : 1/1

/

OPRIKAN, M.

Theoretical pseudo motivation of Western Europe integration.  
Probleme econ 17 no.5:60-72 My '64.

RUMANIA/Cultivated Plants - Fruits. Berries.

M-6

Abs Jour : Ref Zhur - Biol., No 7, 1958, 30075

Author : Dragomir, C., Oprisan, N., Maxim, N.

Inst :

Title : Natural Conditions for Viticulture in the Region of Hunedoara.

Orig Put : Gradina, via si livada, 1956, 5, Nr 12, 23-35 (Rum.)

Abstract : No abstract.

Card 1/1

OPRISAN, N.; BUTNARU, C.

Effect of organic and mineral fertilizer application to the Harrach  
winter wheat cultivated on a plumbic swampy soil in the Banat region.  
Studii agr Timisoara 10 nr.1:59-65 Ja-Je '63.

CPR ISIAN, R.

ADM. 21A

Dr. G. ROMAN, Dr. M. GABARU, Dr. IONITA RADU, Dr. LUCIANA STANICA,  
and Dr. VASILE NICOLAE ISIAN, ~~DR. A. TUDOR~~, Study by the  
Bacteriology Section of the Institute (Section de bacterie, Institutul  
Dr. I. C. Brătianu, Bucharest.

Study of a 1976 cholera epidemic. Part 2. Isolate seroimmunological  
analysis. [1] 1976 cholera, Paracitogen, epidemic, East Europe, 1976,  
Russia, Soviet Union.

[1] From 1976, 11 isolates were isolated/ bacteriological data and an epidemic  
of cholera was issued. A very virulent strain is 196 and shortly in a  
village near Ismail, 15 persons had it; from whom, 37% carriers, 6  
were found to be carriers of the organism: 130 of S. weissei, 19 G.  
not hemolytic, 19, i.e. non-toxigenic, chrysobacterial strains. Also,  
isolated from sera, were 25 acyphical cholobacteria and 15 case were  
free of the organism. The epidemic was subdued in 3 weeks with  
energetic public health measures. Detailed seroimmunologic and bacteriological  
data on the various strains. Sov.-Russia, 9 Romanian, 2 Polish and 1  
Soviet reference.

POP, Al, dr.; POTORAC, E., dr.; OPRISAN, R., dr.

The experimental animal in scientific research and biological tests. Microbiologia (Bucur) 8 no.4:289-301 Jl-Ag '63.

1. Lucrare efectuata in Institutul de "microbiologie, paraziologie si epidemiologie Dr. I. Cantacuzino".  
(ANIMALS, LABORATORY) (RESEARCH)  
(BIOLOGICAL PRODUCTS) (PHARMACOLOGY)

CIUCA, Al.; POP, Al.; POTORAC, E.; OPRISAN, R.

Considerations on the production of therapeutic serums. Arch.  
roum. path. exp. microbiol. 23 no.3:515-522 8'63

1. Travail de l'Institut "Dr. I. Cantacuzino"; Service veterinaire, Bucarest.

POP, Al. HEYTMANEK, Constanta; POTORAC, E., OPRISAN, R.; OPRISAN, Alis;  
**STANICA**, Ecaterina; STOIAN, Cecilia, CIUREA, V.

Anti-liver serum antibodies appearing during antidiphtheric  
hyperimmunization with toxoid in experimental rabbits and  
horses producing therapeutic serum. Arch. roum. path. exp.  
microbiol. 23 no. 5:811-820 S't.)

1. Institut "Dr. I. Cantacuzino", Service Veterinaire, Bucarest  
(for Pop, Heytmanek, Potoran, Oprisan R. Oprisan, A.) 2.
- Institut "Dr. I. Cantacuzino"; Service de la Diphtherie, Bucarest  
(for Stanica, Stolian). 3. Faculte de Medecine veterinaire de  
Bucarest (for. Ciurea).

CONSTANTINESCU, C., prof.; AZIAU, B., conf.; SANIELEVICI-MARINOV, Sonia,  
dr.; OPRISERSCU-STEGNUSS, Ioana, dr.; SCHIOPU, Filofteia, chm.

Mucoviscidosis--respiratory form. Pediatric (Bucur) la no.1:  
-11 Ja-F'65.

1. Incarcare elevata in Spitalul clinic de copii al Raionului  
"30 Decembrie", si Clinica a II-a de pediatrie (s.f de clinica:  
prof. C. Constantinescu).

ALEKSANDRU, L.; OPRISH, M.

Kinetics of vinyl acetate polymerization in methanol. Vysokom.  
soed, 3 no.2:306-209 R '61. (MIRA 14:5)

l. Khimicheskiy issledovatel'skiy institut Ickekhim, Bukharest,  
Rumynia.

(Vinyl acetate)  
(Polymerization)

S/190/62/004/004/018/019  
B117/B138

*S/190/62/004/004/018/019  
B117/B138*  
AUTHORS: Aleksandru, L., Oprish, M., Chiokenel, A.

TITLE: Synthesis of highly crystalline polyvinyl alcohol

PERIODICAL: Vysokomolekulyarnyye soyedineniya, v. 4, no. 4, 1962,  
613-614

TEXT: The effect of the medium on the degree of crystallization of polyvinyl acetate was studied and a new possibility of producing highly crystalline polyvinyl alcohol was shown. The lowest ketones were found to be the best media for crystallization of polyvinyl alcohol. Vinyl acetate was polymerized in methyl-ethyl ketone (1:1) in the presence of azoisobutyric acid dinitrile at 60°C. By saponifying polyvinyl acetate in methanol, polyvinyl alcohol with a characteristic viscosity of 32 was obtained in the presence of 4% caustic soda at 40°C. The chain transfer, intensified by the medium, was found to accelerate crystallization. Much higher values of the chain transfer constant were found for the lowest ketones than for other substances. The polymers developing under these conditions have a lower molecular weight. There are 2 tables.

Card 1/2

Synthesis of highly crystalline...

S/190/62/004/004/018/019  
B117/B138

ASSOCIATION: Issledovatel'skiy khimicheskiy institut, Bukharest  
(Chemical Research Institute, Bucharest)

SUBMITTED: September 30, 1961

Card 2/2

X

KLIMESKO, V.; OPRISHAN, G.; ANTONESKO, D.

Conservative therapy of osteoarticular tuberculosis in children  
and adults. (late results) Khirurgia 15 no. 2/3:215-219 '62.

(TUBERCULOSIS OSTEOARTICULAR ther)

KOZLOV, M.V.; PIVOVAROV, A.T.; MIN'KOVSKIY, Ya.I.; OPRISHKO, A.A.

Automatic control of the circulation of a bead catalyst.

Khim. i tekhn. topl. i masel 9 no.4:45-48 Ap '64.

(MIRA 17:8)

I. Groznyenskiy filial Nauchno-issledovatel'skogo i proyektного  
instituta po kompleksnoy avtomatizatsii proizvodstvennykh  
protsessov v neftyanoy i khimicheskoy promyshlennosti.

BENETATO, Gr.; BACIU, I.; OPRISIU, C.; VITTEBSKI, V.

Effect of convulsive shock on the mobilization of antibodies and on  
the stimulation of phagocytosis; experimental study. Bul. stiint.,  
sect. med. 6 no.3:509-518 July-Sept 54.

1. Membru correspondent al Academiei R.P.R. (for Benetato). Comunicare  
presentata in Sesiunea Sectiunii de Stiinte medicale a Academiei  
R.P.R. din 22-26 ianuarie 1954.

(ANTIGENS AND ANTIBODIES

antibody form. in dogs inoculated with Bacillus typhi  
murium, eff. of convulsive shock)

(CONVULSIONS, experimental

eff. on antibody form. & phagocytosis in dogs inoculated  
with Bacillus typhi murium)

(PHAGOCYTOSIS

eff. of convulsive shock, in dogs inoculated with Bacillus  
typhi murium)

BENEATU, G.; BACIU, I., OPEHISIU, C.; VASILESCU, V.; BUDAI, R.

Central action of certain hormones; isolated-head method of experimental study. II Central action of adrenalin. Bul. stiint., sect. med. 6 no.4:735-749 Oct-Dec '54. (MLRA 8:8)

(CENTRAL NERVOUS SYSTEM, eff. of drugs on adrenalin, on vasomotor & glycoregulatory centers in dogs)

(EPINEPHRINE, eff. on vasomotor & glycoregulatory centers, bulbo-encephalic, in dogs)

*OPRIȘIU*  
BENETATO, Gr.: OPRISIU, C.; BACIU, I.; VASILESCU, V.

Antagonistic effect of adrenalin and chlorpromazine on the vasomotor centers. Bul. stiint., sect. med. 9 no.1:7-18 1957.

(BRAIN, eff. of drugs on epinephrine & chlorpromazine, on vasomotor centers of isolated dog brain, mechanism of action)

(EPINEPHRINE, effects on vasomotor centers of isolated dog brain, mechanism of action, with chlorpromazine)

(CHLORPROMAZINE, effects on vasomotor centers of isolated dog brain, with epinephrine, mechanism of action)

Oprisiu, Gornei

*Chem* ✓ A new method to prepare chlorine. Cornel Oprisiu and Felicia Danciu (Romanian Acad. Sci., Cluj), *Tr. Acad. rep. populare Române (Cluj)*, Studii cercetării ştiințe, 3, No. 3/4 345-8 (1952).—Anhyd. chloral (100 g.), 30 g. concd.  $H_2SO_4$ , and 100 g. anhyd. glucose kept 1 hr. in an ice bath, then heated 1 hr. in a water bath, 400 cc.  $H_2O$  added to the brown product, the mixt. refluxed for 1 hr., and filtered hot, and the filtrate concd. to half vol. in vacuo, treated with C, filtered, and cooled gave 0.8% chlorine. *Werner Ingelman*

BENETATO, Gr.; OPRISIU, C.; TOMUS, L.; HAULICA, I.

Study of cerebral metabolism in non-anesthetized dogs (in chronic experimental conditions with "isolated head"). Stud. cercet. fiziol. 10 no.1:13-22 '65.

TOMESCU, I.; OPRISIU, C., ing.

The art of concreting. Constr Buc 16 no.775:2 la N '64.

1. Head of Ploiești Branch of the Voluntary Editorial Office  
of "Constructorul" (for Tomescu).  
2. Enterprise for Transport Constructions, Cluj (for Oprisiu).

OPRISIU C.

"Minimum displacement at the retracing of railroad curves."

p. 104 (Probleme Feroviare) Vol. 3, no. 3, Mar. 1957  
Bucharest, Rumania

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4,  
April 1958

CP-2111, 1.

Lighter armaments, cheaper constructions. 1.21.

R. VISTA CAILOC F / . alle ferme domenica  
Bucuresti, Romania  
Vol. I, no. 1, May 1949.

Monthly list of factories to report Anestesics Index CIA. 1949, No. 1  
November 1948  
Incl.

(MISI), S.

Prefabricated concrete bridge. . . .

REVISTA CALOR Flux S. (Calor Concrete Romania)  
Bucuresti, Romania  
Vol. , no. 1, June 1996.

Monthly list of Eastern European Accession Index (EAI) of vol. 1, . . . 11  
November 1 99  
Uncl.

OPRISIU, C., ing.

Determination of a railroad curve by combining the theodolite method and the method of measuring curve arrows. Rev cailor fer 10 no.2:80-84 P '62.

1. Serviciul Constructii, Cluj.

OPRISIU, C., Eng.

Economic foundations of railroad small bridges. Rev cailor fer  
10 no.3:145 Mr '62.

1. Seviciu constructii, Cluj.

OPRISIU, Cornel, ing.

Method of partial rectification of a railway curve. Rev sailor fer  
10 no. 74371-372 J1 '62.

OPRISIU, C., ing.; COJOCARU, B., ing.

Curve plotting by a grapho-analytic method. Rev cailor fer 10 no.12:  
643-646 D '62.

OPRISIU, Cornel, ing.

Optimum emplacement of the mechanical equipment for preparation of concrete or asphalt mixtures for road work. Rev transport 10 no.5:230-231 My '63.

OPRISIU, C., ing.

With what to lift the mortar? Constr Buc 15 no. 697:1  
18 My '63.

CIOBANU, Alex.; PENTIUC, D., ing.; OPRIȘIU, C., ing.

The perfecting technology. Constr Buc 15 no.700; 18 Je '63.

1. Responsabil cu inovatiile la I.S.C.M., Suceava (for Pentiuc).

OPRISIU,C., ing.

Well-planned, well-done! Cetatestr Buc 16 no.735:3 8 Feb 4.

l. Din I.C.T., Cluj.

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OK'SKAYA, Tatyana Vasil'yevna

1950-1958 - Chelyabinsk, Russia - Soviet Union  
Soviet citizen

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OPRISIU, Cornel, ing.

A method for determining the formula of some aggregate mixtures  
for concrete. Rev cailor fer 13 no.3:172-174 Mr '65.

1. Enterprise of Constructions for Transportations, Cluj.